AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A housing structure of vehicle-mounted electronic equipment comprising:

a connector housing into which a large number of contact pins are press-fitted and a counter-connector is inserted;

a cover that is integrally formed with said connector housing of a fire retardant resin and is provided with a canopy part and an annular circumferential wall-part in which a canopy part and an annular circumferential wall part are integrally formed by a fire retardant resin filled with glass filler;

an electronic substrate temporarily fixed onto an inner wall of said annular circumferential wall part, and to which said contact pins are connected; and

a highly <u>conductive</u> heat-transfer base that is disposed in contact with said electronic substrate so that a heat generated by the heating part mounted on said electronic substrate is transferred and dissipated, and <u>which</u> is provided with mounting lugs for mounting the base on a vehicle body;

wherein said annular circumferential wall part is provided with an annular groove in which a sealant is inserted and plural screw holes located at the outside of said annular groove;

said base is provided with an annular protrusion snapped into said annular groove and has plural through holes located at the outside of said annular protrusion; and

by inserting fixing screws into said screw holes through said through holes, said electronic substrate is held between said annular circumferential wall part and said base.

- 2. (Original) The housing structure of vehicle-mounted electronic equipment according to claim 1, wherein said electronic substrate is temporarily fixed by press-fitting a protrusion part provided on the inner wall of said annular circumferential wall part into a mounting hole provided on said electronic substrate.
- 3. (Currently Amended) The housing structure of vehicle-mounted electronic equipment according to claim 1,

wherein said cover integrally formed with said connector housing is composed of a fire retardant resin, comprising in which polybutyleneterephthalate resin which is used as a base material and which is filled with 15 to 40 % by weight of glass filler;

wherein said base is manufactured by aluminum die-casting;

wherein and an adhesive sealant made of a room-temperature-setting liquid silicone rubber is used as said sealant.

4. (Currently Amended) The housing structure of vehicle-mounted electronic equipment according to claim 1,

wherein said canopy part is provided with a column having a central screw hole with one end blocked at a central position thereof; said base is provided with a pedestal, on which the electronic substrate is placed, and a central through hole passing through said pedestal substantially at the central position thereof; said cover, said electronic substrate, and said base are integrally formed and reinforced by a central fixing screw inserted into said central screw hole through said central through hole; said electronic substrate is sandwiched between an end part of said pedestal and an end part of said column; and a waterproof sealant is applied to a head of said central fixing screw.

5. (Original) The housing structure of vehicle-mounted electronic equipment according to claim 1, further comprising:

a copper-foil area that is electrically connected to the heating part mounted on said electronic substrate and disposed on the underside of said electronic substrate; a heat-transfer soft insulating layer that covers said copper-foil area; and a heat-transfer protrusion provided on said base.

6. (Original) The housing structure of vehicle-mounted electronic equipment according to claim 1, further comprising:

a copper-foil area that is electrically connected to the heating part mounted on said electronic substrate and disposed on the underside of said electronic substrate; a heat-transfer

soft insulating layer that covers said copper-foil area; and a heat-transfer protrusion provided on said base;

wherein said soft insulating layer is composed of a room-temperature-setting liquid silicone rubber filled with a heat-transfer filler.

7. (Original) The housing structure of vehicle-mounted electronic equipment according to claim 1, further comprising:

a copper-foil area that is electrically connected to the heating part mounted on said electronic substrate and disposed on the underside of said electronic substrate; a heat-transfer soft insulating layer that covers said copper-foil area; and a heat-transfer protrusion provided on said base;

wherein said soft insulating layer is composed of a heat-transfer elastic insulating sheet.

- 8. (new): A housing structure comprising:
- a connector housing into which a plurality of contact pins are press fitted;
- a cover integrally formed with said connector housing and which has a canopy part and an annular circumferential wall part;

an electronic substrate connected to said contact pins and fixed onto an inner wall of said annular circumferential wall part;

a highly heat conductive base disposed in contact with said electronic substrate for dissipating heat from a heating part on said electronic substrate and provided with mounting lugs for mounting the base;

wherein said annular circumferential wall part has an annular groove and a plurality of screw holes located outside of said annular groove;

wherein said base has an annular protrusion snapped into said annular groove for retaining a sealant, and has a plurality of through holes located outside said annular protrusion;

wherein by inserting fixing screws into said screw holes through said through holes said electronic substrate is held between said annular circumferential wall part and said base.

- 9. (new): The housing structure according to claim 8, wherein said electronic substrate is temporarily fixed by press-fitting a protrusion part provided on the inner wall of said annular circumferential wall part into a mounting hole provided on said electronic substrate.
- 10. (new): The housing structure according to claim 8, wherein said cover is composed of a fire retardant resin; said base is manufactured by aluminum diecasting, and said sealant is an adhesive sealant made of room temperature setting liquid silicone rubber.
 - 11. (new): The housing structure according to claim 8, further comprising:

a copper foil area that is electrically connected to said heating part and disposed on said electrical substrate on a side opposite said heating part;

a heat transfer protrusion on said base; and

a soft insulating layer disposed between said copper foil area and said heat transfer protrusion.

12. (new): The housing structure according to claim 11, wherein said soft insulating layer is a room temperature setting liquid silicone rubber with a heat transfer filler or a heat transfer elastic insulating sheet.